

	1	2	3	4	5	6	7	8	9	10	11	12
A	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10		
B	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10		
C	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10		
D	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10		
E	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10		
F	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10		
G	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10		
H	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10		

Figure 4

First Example of Library Matrix where n=1

Component Distribution in Plate 1, Library 1 (n=1)

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
D1	B ₁₋₁₀									
	E ₁₋₁	E ₁₋₂	E ₁₋₂	E ₁₋₁	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂
D2	B ₁₋₁₀									
	E ₁₋₁	E ₁₋₂	E ₁₋₂	E ₁₋₁	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂
D3	B ₁₋₁₀									
	E ₁₋₁	E ₁₋₂	E ₁₋₂	E ₁₋₁	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂
D4	B ₁₋₁₀									
	E ₁₋₁	E ₁₋₂	E ₁₋₂	E ₁₋₁	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂
D5	B ₁₋₁₀									
	E ₁₋₁	E ₁₋₂	E ₁₋₂	E ₁₋₁	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂
D6	B ₁₋₁₀									
	E ₁₋₁	E ₁₋₂	E ₁₋₂	E ₁₋₁	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂
D7	B ₁₋₁₀									
	E ₁₋₁	E ₁₋₂	E ₁₋₂	E ₁₋₁	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂
D8	B ₁₋₁₀									
	E ₁₋₁	E ₁₋₂	E ₁₋₂	E ₁₋₁	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂	E ₁₋₁	E ₁₋₂

Figure 5

Component Location in Plate 1, Library 2 (n=1).

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
E1	C ₁₋₁₀									
	D ₁₋₁	D ₁₋₂	D ₁₋₃	D ₁₋₄	D ₁₋₅	D ₁₋₆	D ₁₋₇	D ₁₋₈	D ₁₋₉	D ₁₋₁₀
E2	C ₁₋₁₀									
	D ₁₋₁	D ₁₋₂	D ₁₋₃	D ₁₋₄	D ₁₋₅	D ₁₋₆	D ₁₋₇	D ₁₋₈	D ₁₋₉	D ₁₋₁₀

Figure 6

Component Location in Plate 2, Library 2 (n=1).

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
E1	C ₁₋₁₀									
	D ₃₋₄									
E2	C ₁₋₁₀									
	D ₃₋₄									

Figure 7

Component Location in Plate 3, Library 2 (n=1).

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
E1	C ₁₋₁₀									
	D ₅₋₆									
E2	C ₁₋₁₀									
	D ₅₋₆									

Figure 8

Component Location in Plate 4, Library 2 (n=1).

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
E1	C ₁₋₁₀									
	D ₇₋₈									
E2	C ₁₋₁₀									
	D ₇₋₈									

Figure 9

Example Library where n=4

Component Distribution in Plate 1, Library 1 (n=4)

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
D1	B ₁₋₁₀									
	E ₁₋₂									
D2	B ₁₋₁₀									
	E ₁₋₂									
D3	B ₁₋₁₀									
	E ₁₋₂									
D4	B ₁₋₁₀									
	E ₁₋₂									
D5	B ₁₋₁₀									
	E ₁₋₂									
D6	B ₁₋₁₀									
	E ₁₋₂									
D7	B ₁₋₁₀									
	E ₁₋₂									
D8	B ₁₋₁₀									
	E ₁₋₂									

Figure 10

Component Location in Plate 2, Library 1 (n=4)

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
D1	B ₁₋₁₀									
	E ₃₋₄									
D2	B ₁₋₁₀									
	E ₃₋₄									
D3	B ₁₋₁₀									
	E ₃₋₄									
D4	B ₁₋₁₀									
	E ₃₋₄									
D5	B ₁₋₁₀									
	E ₃₋₄									
D6	B ₁₋₁₀									
	E ₃₋₄									
D7	B ₁₋₁₀									
	E ₃₋₄									
D8	B ₁₋₁₀									
	E ₃₋₄									

Figure 11

Component Location in Plate 3, Library 1 (n=4)

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
D1	B ₁₋₁₀ B ₅₋₈									
D2	B ₁₋₁₀ B ₅₋₈									
D3	B ₁₋₁₀ B ₅₋₈									
D4	B ₁₋₁₀ B ₅₋₈									
D5	B ₁₋₁₀ B ₅₋₈									
D6	B ₁₋₁₀ B ₅₋₈									
D7	B ₁₋₁₀ B ₅₋₈									
D8	B ₁₋₁₀ B ₅₋₈									

Figure 12

Component Location in Plate 4, Library 1 (n=4)

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
D1	B ₁₋₁₀									
	E ₇₋₈									
D2	B ₁₋₁₀									
	E ₇₋₈									
D3	B ₁₋₁₀									
	E ₇₋₈									
D4	B ₁₋₁₀									
	E ₇₋₈									
D5	B ₁₋₁₀									
	E ₇₋₈									
D6	B ₁₋₁₀									
	E ₇₋₈									
D7	B ₁₋₁₀									
	E ₇₋₈									
D8	B ₁₋₁₀									
	E ₇₋₈									

Figure 13

Component Location in Plate 1, Library 2 (n=4).

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
E1	C ₁₋₁₀									
	D ₁₋₂									
E2	C ₁₋₁₀									
	D ₁₋₂									
E3	C ₁₋₁₀									
	D ₁₋₂									
E4	C ₁₋₁₀									
	D ₁₋₂									
E5	C ₁₋₁₀									
	D ₁₋₂									
E6	C ₁₋₁₀									
	D ₁₋₂									
E7	C ₁₋₁₀									
	D ₁₋₂									
E8	C ₁₋₁₀									
	D ₁₋₂									

Figure 14

Component Location in Plate 2, Library 2 (n=4).

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
E1	C ₁₋₁₀									
	D ₃₋₄									
E2	C ₁₋₁₀									
	D ₃₋₄									
E3	C ₁₋₁₀									
	D ₃₋₄									
E4	C ₁₋₁₀									
	D ₃₋₄									
E5	C ₁₋₁₀									
	D ₃₋₄									
E6	C ₁₋₁₀									
	D ₃₋₄									
E7	C ₁₋₁₀									
	D ₃₋₄									
E8	C ₁₋₁₀									
	D ₃₋₄									

Figure 15

Component Location in Plate 3, Library 2 (n=4).

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
E1	C ₁₋₁₀	E ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀				
	D ₅₋₆									
E2	C ₁₋₁₀	E ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀				
	D ₅₋₆									
E3	C ₁₋₁₀	E ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀				
	D ₅₋₆									
E4	C ₁₋₁₀	E ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀				
	D ₅₋₆									
E5	C ₁₋₁₀	E ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀				
	D ₅₋₆									
E6	C ₁₋₁₀	E ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀				
	D ₅₋₆									
E7	C ₁₋₁₀	E ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀				
	D ₅₋₆									
E8	C ₁₋₁₀	E ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀	C ₁₋₁₀				
	D ₅₋₆									

Figure 16

Component Location in Plate 4, Library 2 (n=4).

	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
E1	C ₁₋₁₀									
	D ₇₋₈									
E2	C ₁₋₁₀									
	D ₇₋₈									
E3	C ₁₋₁₀									
	D ₇₋₈									
E4	C ₁₋₁₀									
	D ₇₋₈									
E5	C ₁₋₁₀									
	D ₇₋₈									
E6	C ₁₋₁₀									
	D ₇₋₈									
E7	C ₁₋₁₀									
	D ₇₋₈									
E8	C ₁₋₁₀									
	D ₇₋₈									

Figure 17